

Occupation Projections for West Central Wisconsin Workforce Development Area, 2004-2014

(Barron, Chippewa, Clark, Dunn, Eau Claire, Pepin, Pierce, Polk, and St. Croix Counties)

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Estimated Average Annual Openings ⁽¹⁾			Typical Education and Training Path ⁽⁴⁾	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
00-0000	Total, All Occupations	173,880	194,330	20,450	11.8%	2,050	4,300	6,350		\$32,266	\$8.04	\$19.25
11-0000	Management Occupations	6,070	6,860	790	13.0%	80	110	190		\$74,714	\$18.55	\$44.61
11-1011	Chief Executives	230	260	30	13.0%	<5	<5	<5	Bachelor's or higher degree + work experience	\$121,110	\$34.08	\$70.30
11-1021	General and Operations Managers	1,700	1,930	230	13.5%	20	30	50	Bachelor's or higher degree + work experience	\$86,177	\$21.96	\$51.17
11-1031	Legislators	*	*	*	*	<5	10	10	Bachelor's or higher degree + work experience	\$24,607	\$5.90	\$14.80
11-2011	Advertising and Promotions Managers	40	40	0	0.0%	<5	<5	<5	Bachelor's or higher degree + work experience	\$83,619	\$22.33	\$49.14
11-2021	Marketing Managers	80	90	10	12.5%	<5	<5	<5	Bachelor's or higher degree + work experience	\$83,371	\$27.51	\$46.37
11-2022	Sales Managers	260	300	40	15.4%	<5	10	10	Bachelor's or higher degree + work experience	\$72,893	\$19.03	\$43.05
11-2031	Public Relations Managers	30	40	10	33.3%	<5	<5	<5	Bachelor's or higher degree + work experience	\$53,052	\$16.11	\$30.20
11-3011	Administrative Services Managers	150	180	30	20.0%	<5	<5	<5	Bachelor's or higher degree + work experience	\$66,882	\$21.48	\$37.49
11-3021	Computer and Information Systems Managers	190	230	40	21.1%	<5	<5	<5	Bachelor's or higher degree + work experience	\$85,603	\$30.16	\$46.65

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11-3031	Financial Managers	310	360	50	16.1%	10	<5	10	Bachelor's or higher degree + work experience	\$82,705	\$25.48	\$46.90
11-3041	Compensation and Benefits Managers	40	50	10	25.0%	<5	<5	<5	Bachelor's or higher degree + work experience	\$64,760	\$20.34	\$36.53
11-3042	Training and Development Managers	30	40	10	33.3%	<5	<5	<5	Bachelor's or higher degree + work experience	\$64,185	\$21.21	\$35.68
11-3049	Human Resources Managers, All Other	50	60	10	20.0%	<5	<5	<5	Bachelor's or higher degree + work experience	\$81,338	\$23.71	\$46.80
11-3051	Industrial Production Managers	300	330	30	10.0%	<5	10	10	Bachelor's or higher degree + work experience	\$77,931	\$23.37	\$44.52
11-3061	Purchasing Managers	80	90	10	12.5%	<5	<5	<5	Bachelor's or higher degree + work experience	\$74,399	\$23.75	\$41.78
11-3071	Transportation, Storage, and Distribution Managers	100	110	10	10.0%	<5	<5	<5	Work experience in a related occupation	\$68,105	\$22.51	\$37.86
11-9011	Farm, Ranch, and Other Agricultural Managers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree + work experience	*	*	*
11-9021	Construction Managers	120	150	30	25.0%	<5	<5	<5	Bachelor's degree	\$74,228	\$21.98	\$42.54
11-9031	Education Administrators, Preschool and Child Care Center/Program	50	60	10	20.0%	<5	<5	<5	Bachelor's or higher degree + work experience	*	*	*
11-9032	Education Administrators, Elementary and Secondary School	260	290	30	11.5%	<5	10	10	Bachelor's or higher degree + work experience	\$75,323	Not Available	Not Available

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11-9033	Education Administrators, Postsecondary	210	240	30	14.3%	<5	10	10	Bachelor's or higher degree + work experience	\$63,528	\$20.56	\$35.53
11-9039	Education Administrators, All Other	*	*	*	*	<5	<5	<5	Bachelor's or higher degree + work experience	*	*	*
11-9041	Engineering Managers	240	260	20	8.3%	<5	10	10	Bachelor's or higher degree + work experience	\$98,719	\$31.37	\$55.51
11-9051	Food Service Managers	240	280	40	16.7%	<5	<5	<5	Work experience in a related occupation	\$34,188	\$10.59	\$19.36
11-9061	Funeral Directors	*	*	*	*	<5	<5	<5	Associate degree	\$55,804	\$22.72	\$28.88
11-9071	Gaming Managers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
11-9081	Lodging Managers	40	50	10	25.0%	<5	<5	<5	Work experience in a related occupation	\$34,114	\$13.24	\$17.98
11-9111	Medical and Health Services Managers	270	340	70	25.9%	10	10	20	Bachelor's or higher degree + work experience	\$69,473	\$25.61	\$37.30
11-9121	Natural Sciences Managers	20	20	0	0.0%	<5	<5	<5	Bachelor's or higher degree + work experience	\$81,359	\$33.17	\$42.09
11-9131	Postmasters and Mail Superintendents	50	50	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$55,451	\$22.63	\$28.67
11-9141	Property, Real Estate, and Community Association Managers	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$77,704	\$21.10	\$45.49

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11-9151	Social and Community Service Managers	120	140	20	16.7%	<5	<5	<5	Bachelor's degree	\$48,166	\$15.34	\$27.06
11-9199	Managers, All Other	320	360	40	12.5%	<5	10	10	Work experience in a related occupation	\$83,817	\$26.77	\$47.06
13-0000	Business and Financial Operations Occupations	5,560	6,530	970	17.4%	100	100	200		\$48,430	\$13.84	\$28.01
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	*	*	*	*	<5	<5	<5	Bachelor's or higher degree + work experience	*	*	*
13-1021	Purchasing Agents and Buyers, Farm Products	*	*	*	*	<5	<5	<5	Work experience in a related occupation	\$39,765	\$16.94	\$20.21
13-1022	Wholesale and Retail Buyers, Except Farm Products	130	140	10	7.7%	<5	<5	<5	Bachelor's degree	\$38,900	\$13.78	\$21.16
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	460	490	30	6.5%	<5	10	10	Bachelor's degree	\$46,456	\$13.79	\$26.61
13-1031	Claims Adjusters, Examiners, and Investigators	180	220	40	22.2%	<5	<5	<5	Long-term on-the-job training	\$43,929	\$13.99	\$24.68
13-1032	Insurance Appraisers, Auto Damage	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	120	140	20	16.7%	<5	<5	<5	Long-term on-the-job training	\$42,674	\$13.55	\$24.00
13-1051	Cost Estimators	310	380	70	22.6%	10	10	20	Bachelor's degree	\$50,201	\$16.16	\$28.12

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13-1061	Emergency Management Specialists	20	20	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$49,230	\$19.91	\$25.55
13-1071	Employment, Recruitment, and Placement Specialists	160	220	60	37.5%	10	<5	10	Bachelor's degree	\$40,925	\$13.45	\$22.79
13-1072	Compensation, Benefits, and Job Analysis Specialists	100	120	20	20.0%	<5	<5	<5	Bachelor's degree	\$48,626	\$14.63	\$27.75
13-1073	Training and Development Specialists	200	230	30	15.0%	<5	<5	<5	Bachelor's degree	\$43,604	\$13.92	\$24.49
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	330	390	60	18.2%	10	10	20	Bachelor's degree	\$30,110	\$6.12	\$18.65
13-1081	Logisticians	80	90	10	12.5%	<5	<5	<5	Bachelor's degree	\$56,141	\$20.49	\$30.24
13-1111	Management Analysts	250	300	50	20.0%	10	<5	10	Bachelor's or higher degree + work experience	\$60,371	\$18.57	\$34.25
13-1121	Meeting and Convention Planners	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$39,013	\$12.59	\$21.84
13-1199	Business Operations Specialists, All Other	1,050	1,320	270	25.7%	30	20	50	Bachelor's degree	\$49,960	\$13.23	\$29.42
13-2011	Accountants and Auditors	1,090	1,300	210	19.3%	20	20	40	Bachelor's degree	\$54,597	\$18.19	\$30.28
13-2021	Appraisers and Assessors of Real Estate	70	90	20	28.6%	<5	<5	<5	Postsecondary vocational training	\$61,883	\$17.86	\$35.70

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13-2031	Budget Analysts	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
13-2041	Credit Analysts	50	50	0	0.0%	<5	<5	<5	Bachelor's degree	\$41,814	\$14.72	\$22.80
13-2051	Financial Analysts	70	80	10	14.3%	<5	<5	<5	Bachelor's degree	\$59,271	\$17.83	\$33.83
13-2052	Personal Financial Advisors	80	100	20	25.0%	<5	<5	<5	Bachelor's degree	\$65,405	\$12.59	\$40.87
13-2053	Insurance Underwriters	90	90	0	0.0%	<5	<5	<5	Bachelor's degree	\$48,333	\$14.82	\$27.45
13-2061	Financial Examiners	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$77,258	\$23.62	\$43.91
13-2071	Loan Counselors	10	10	0	0.0%	<5	<5	<5	Bachelor's degree	*	*	*
13-2072	Loan Officers	390	410	20	5.1%	<5	10	10	Bachelor's degree	\$46,852	\$14.69	\$26.44
13-2081	Tax Examiners, Collectors, and Revenue Agents	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$64,390	\$21.60	\$35.64
13-2082	Tax Preparers	90	90	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$25,416	\$5.92	\$15.37
13-2099	Financial Specialists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	\$43,353	\$17.47	\$22.53

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15-0000	Computer and Mathematical Occupations	2,060	2,570	510	24.8%	50	30	80		\$54,277	\$16.17	\$31.06
15-1011	Computer and Information Scientists, Research	30	30	0	0.0%	<5	<5	<5	Doctoral degree	\$78,053	\$21.47	\$45.55
15-1021	Computer Programmers	230	210	-20	-8.7%	<5	10	10	Bachelor's degree	\$50,990	\$18.13	\$27.71
15-1031	Computer Software Engineers, Applications	250	360	110	44.0%	10	<5	10	Bachelor's degree	\$77,133	\$21.11	\$45.07
15-1032	Computer Software Engineers, Systems Software	*	*	*	*	<5	<5	<5	Bachelor's degree	\$73,246	\$25.71	\$39.96
15-1041	Computer Support Specialists	410	480	70	17.1%	10	10	20	Associate degree	\$37,802	\$14.09	\$20.22
15-1051	Computer Systems Analysts	450	560	110	24.4%	10	10	20	Bachelor's degree	\$57,019	\$17.70	\$32.27
15-1061	Database Administrators	70	100	30	42.9%	<5	<5	<5	Bachelor's degree	\$58,817	\$21.93	\$31.45
15-1071	Network and Computer Systems Administrators	250	330	80	32.0%	10	<5	10	Bachelor's degree	\$53,606	\$16.08	\$30.62
15-1081	Network Systems and Data Communications Analysts	150	220	70	46.7%	10	<5	10	Bachelor's degree	\$46,157	\$14.76	\$25.90
15-1099	Computer Specialists, All Other	70	90	20	28.6%	<5	<5	<5	Associate degree	\$46,495	\$12.60	\$27.23

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15-2011	Actuaries	*	*	*	*	<5	<5	<5	Bachelor's or higher degree + work experience	*	*	*
15-2021	Mathematicians	0	0	0	0.0%	<5	<5	<5	Doctoral degree	*	*	*
15-2031	Operations Research Analysts	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
15-2041	Statisticians	10	10	0	0.0%	<5	<5	<5	Master's degree	*	*	*
15-2099	Mathematical Science Occupations, All Other	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
17-0000	Architecture and Engineering Occupations	2,960	3,230	270	9.1%	30	70	100		\$55,024	\$16.79	\$31.29
17-1011	Architects, Except Landscape and Naval	80	90	10	12.5%	<5	<5	<5	Bachelor's degree	\$61,800	\$20.85	\$34.14
17-1012	Landscape Architects	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-1021	Cartographers and Photogrammetrists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-1022	Surveyors	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$38,849	\$12.77	\$21.63
17-2011	Aerospace Engineers	0	0	0	0.0%	<5	<5	<5	Bachelor's degree	*	*	*

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17-2021	Agricultural Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2031	Biomedical Engineers	0	10	10	100.0%	<5	<5	<5	Bachelor's degree	\$52,851	\$21.00	\$27.62
17-2041	Chemical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-2051	Civil Engineers	200	220	20	10.0%	<5	<5	<5	Bachelor's degree	\$56,725	\$20.56	\$30.63
17-2061	Computer Hardware Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	\$62,451	\$19.94	\$35.07
17-2071	Electrical Engineers	280	290	10	3.6%	<5	10	10	Bachelor's degree	\$79,901	\$28.28	\$43.48
17-2072	Electronics Engineers, Except Computer	60	70	10	16.7%	<5	<5	<5	Bachelor's degree	\$69,518	\$22.74	\$38.76
17-2081	Environmental Engineers	50	70	20	40.0%	<5	<5	<5	Bachelor's degree	\$76,150	\$26.90	\$41.46
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	10	20	10	100.0%	<5	<5	<5	Bachelor's degree	\$62,283	\$21.20	\$34.32
17-2112	Industrial Engineers	310	360	50	16.1%	10	10	20	Bachelor's degree	\$61,059	\$22.27	\$32.90
17-2131	Materials Engineers	30	40	10	33.3%	<5	<5	<5	Bachelor's degree	\$60,736	\$23.09	\$32.25

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17-2141	Mechanical Engineers	*	*	*	*	10	10	20	Bachelor's degree	\$68,404	\$22.46	\$38.10
17-2161	Nuclear Engineers	0	0	0	0.0%	<5	<5	<5	Bachelor's degree	*	*	*
17-2199	Engineers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
17-3011	Architectural and Civil Drafters	90	90	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$44,880	\$17.33	\$23.70
17-3012	Electrical and Electronics Drafters	60	60	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$38,231	\$14.81	\$20.16
17-3013	Mechanical Drafters	230	240	10	4.3%	<5	10	10	Postsecondary vocational training	\$37,072	\$13.15	\$20.16
17-3019	Drafters, All Other	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$37,450	\$14.11	\$19.95
17-3021	Aerospace Engineering and Operations Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
17-3022	Civil Engineering Technicians	110	120	10	9.1%	<5	<5	<5	Associate degree	\$40,057	\$14.74	\$21.52
17-3023	Electrical and Electronic Engineering Technicians	280	280	0	0.0%	<5	10	10	Associate degree	\$42,393	\$13.66	\$23.74
17-3024	Electro-Mechanical Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*

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17-3025	Environmental Engineering Technicians	20	20	0	0.0%	<5	<5	<5	Associate degree	\$43,375	\$16.30	\$23.13
17-3026	Industrial Engineering Technicians	100	110	10	10.0%	<5	<5	<5	Associate degree	\$35,917	\$13.11	\$19.35
17-3027	Mechanical Engineering Technicians	90	100	10	11.1%	<5	<5	<5	Associate degree	\$52,899	\$15.63	\$30.33
17-3029	Engineering Technicians, Except Drafters, All Other	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
17-3031	Surveying and Mapping Technicians	50	60	10	20.0%	<5	<5	<5	Moderate-term on-the-job training	\$36,876	\$13.95	\$19.62
19-0000	Life, Physical, and Social Science Occupations	1,410	1,640	230	16.3%	20	30	50		\$49,461	\$14.58	\$28.38
19-1011	Animal Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-1012	Food Scientists and Technologists	*	*	*	*	<5	<5	<5	Bachelor's degree	\$36,386	\$12.14	\$20.17
19-1013	Soil and Plant Scientists	30	40	10	33.3%	<5	<5	<5	Bachelor's degree	\$50,638	\$20.45	\$26.29
19-1021	Biochemists and Biophysicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
19-1022	Microbiologists	20	30	10	50.0%	<5	<5	<5	Doctoral degree	*	*	*

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SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Estimated Average Annual Openings ⁽¹⁾			Typical Education and Training Path ⁽⁴⁾	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
19-1023	Zoologists and Wildlife Biologists	20	20	0	0.0%	<5	<5	<5	Doctoral degree	\$43,432	\$18.16	\$22.24
19-1029	Biological Scientists, All Other	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
19-1031	Conservation Scientists	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$53,799	\$20.57	\$28.51
19-1032	Foresters	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$44,455	\$19.30	\$22.41
19-1041	Epidemiologists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-1042	Medical Scientists, Except Epidemiologists	100	130	30	30.0%	<5	<5	<5	Doctoral degree	\$63,059	\$20.89	\$35.03
19-1099	Life Scientists, All Other	0	10	10	0.0%	<5	<5	<5	Bachelor's degree	*	*	*
19-2011	Astronomers	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
19-2012	Physicists	20	30	10	50.0%	<5	<5	<5	Doctoral degree	*	*	*
19-2021	Atmospheric and Space Scientists	10	20	10	100.0%	<5	<5	<5	Bachelor's degree	*	*	*
19-2031	Chemists	90	90	0	0.0%	<5	<5	<5	Bachelor's degree	\$37,462	\$11.68	\$21.18

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19-2032	Materials Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-2041	Environmental Scientists and Specialists, Including Health	70	80	10	14.3%	<5	<5	<5	Master's degree	\$50,155	\$20.12	\$26.11
19-2042	Geoscientists, Except Hydrologists and Geographers	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-2043	Hydrologists	20	30	10	50.0%	<5	<5	<5	Master's degree	\$51,151	\$20.26	\$26.76
19-2099	Physical Scientists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
19-3011	Economists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3021	Market Research Analysts	210	250	40	19.0%	<5	10	10	Master's degree	\$64,923	\$17.44	\$38.10
19-3022	Survey Researchers	10	10	0	0.0%	<5	<5	<5	Master's degree	*	*	*
19-3031	Clinical, Counseling, and School Psychologists	150	180	30	20.0%	<5	<5	<5	Doctoral degree	\$56,361	\$17.63	\$31.83
19-3039	Psychologists, All Other	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3041	Sociologists	10	10	0	0.0%	<5	<5	<5	Master's degree	*	*	*

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19-3051	Urban and Regional Planners	40	40	0	0.0%	<5	<5	<5	Master's degree	\$53,553	\$19.83	\$28.71
19-3091	Anthropologists and Archeologists	0	0	0	0.0%	<5	<5	<5	Master's degree	*	*	*
19-3093	Historians	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-3094	Political Scientists	0	0	0	0.0%	<5	<5	<5	Master's degree	*	*	*
19-3099	Social Scientists and Related Workers, All Other	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
19-4011	Agricultural and Food Science Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
19-4021	Biological Technicians	60	60	0	0.0%	<5	<5	<5	Associate degree	\$29,055	\$9.82	\$16.04
19-4031	Chemical Technicians	50	50	0	0.0%	<5	<5	<5	Associate degree	\$32,465	\$10.17	\$18.33
19-4041	Geological and Petroleum Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
19-4061	Social Science Research Assistants	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
19-4091	Environmental Science and Protection Technicians, Including Health	30	30	0	0.0%	<5	<5	<5	Associate degree	\$37,217	\$14.97	\$19.36

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19-4092	Forensic Science Technicians	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
19-4093	Forest and Conservation Technicians	20	20	0	0.0%	<5	<5	<5	Associate degree	\$35,294	\$13.86	\$18.52
19-4099	Life, Physical, and Social Science Technicians, All Other	110	140	30	27.3%	<5	<5	<5	Associate degree	\$32,965	\$11.05	\$18.25
21-0000	Community and Social Services Occupations	2,800	3,300	500	17.9%	50	50	100		\$38,992	\$12.79	\$21.73
21-1011	Substance Abuse and Behavioral Disorder Counselors	80	110	30	37.5%	<5	<5	<5	Master's degree	\$38,323	\$13.36	\$20.95
21-1012	Educational, Vocational, and School Counselors	240	280	40	16.7%	<5	10	10	Master's degree	\$41,951	\$13.60	\$23.46
21-1013	Marriage and Family Therapists	30	40	10	33.3%	<5	<5	<5	Master's degree	\$43,922	\$16.20	\$23.58
21-1014	Mental Health Counselors	70	90	20	28.6%	<5	<5	<5	Master's degree	\$36,898	\$11.89	\$20.67
21-1015	Rehabilitation Counselors	120	140	20	16.7%	<5	<5	<5	Master's degree	\$42,430	\$14.45	\$23.37
21-1019	Counselors, All Other	70	80	10	14.3%	<5	<5	<5	Master's degree	\$36,990	\$11.91	\$20.72
21-1021	Child, Family, and School Social Workers	360	410	50	13.9%	10	10	20	Master's degree	\$42,484	\$14.94	\$23.16

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21-1022	Medical and Public Health Social Workers	140	170	30	21.4%	<5	<5	<5	Master's degree	\$39,922	\$15.24	\$21.17
21-1023	Mental Health and Substance Abuse Social Workers	110	140	30	27.3%	<5	<5	<5	Master's degree	\$39,793	\$12.59	\$22.40
21-1029	Social Workers, All Other	80	80	0	0.0%	<5	<5	<5	Master's degree	\$44,015	\$13.07	\$25.21
21-1091	Health Educators	40	50	10	25.0%	<5	<5	<5	Master's degree	\$46,311	\$14.59	\$26.10
21-1092	Probation Officers and Correctional Treatment Specialists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
21-1093	Social and Human Service Assistants	470	580	110	23.4%	10	10	20	Moderate-term on-the-job training	\$30,876	\$9.77	\$17.38
21-1099	Community and Social Service Specialists, All Other	140	180	40	28.6%	<5	<5	<5	Bachelor's degree	\$30,184	\$10.32	\$16.61
21-2011	Clergy	540	610	70	13.0%	10	10	20	Master's degree	\$36,953	\$10.82	\$21.24
21-2021	Directors, Religious Activities and Education	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
21-2099	Religious Workers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
23-0000	Legal Occupations	670	780	110	16.4%	10	10	20		\$63,731	\$13.59	\$39.17

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23-1011	Lawyers	390	460	70	17.9%	10	10	20	First professional degree	\$82,495	\$21.05	\$48.96
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree + work experience	*	*	*
23-1022	Arbitrators, Mediators, and Conciliators	*	*	*	*	<5	<5	<5	Bachelor's or higher degree + work experience	*	*	*
23-1023	Judges, Magistrate Judges, and Magistrates	*	*	*	*	<5	<5	<5	Bachelor's or higher degree + work experience	*	*	*
23-2011	Paralegals and Legal Assistants	140	170	30	21.4%	<5	<5	<5	Associate degree	\$45,225	\$15.39	\$24.92
23-2091	Court Reporters	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
23-2092	Law Clerks	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
23-2093	Title Examiners, Abstractors, and Searchers	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$34,897	\$11.89	\$19.22
23-2099	Legal Support Workers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
25-0000	Education, Training, and Library Occupations	11,010	12,740	1,730	15.7%	170	240	410		\$39,300	\$10.82	\$22.93
25-1011	Business Teachers, Postsecondary	110	140	30	27.3%	<5	<5	<5	Doctoral degree	\$64,516	Not Available	Not Available

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25-1021	Computer Science Teachers, Postsecondary	30	40	10	33.3%	<5	<5	<5	Doctoral degree	\$64,540	Not Available	Not Available
25-1022	Mathematical Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1031	Architecture Teachers, Postsecondary	0	10	10	100.0%	<5	<5	<5	Doctoral degree	*	*	*
25-1032	Engineering Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1041	Agricultural Sciences Teachers, Postsecondary	20	20	0	0.0%	<5	<5	<5	Doctoral degree	\$61,749	Not Available	Not Available
25-1042	Biological Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1043	Forestry and Conservation Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1052	Chemistry Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1053	Environmental Science Teachers, Postsecondary	10	10	0	0.0%	<5	<5	<5	Doctoral degree	*	*	*
25-1054	Physics Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*

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25-1061	Anthropology and Archeology Teachers, Postsecondary	10	10	0	0.0%	<5	<5	<5	Doctoral degree	*	*	*
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1063	Economics Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1064	Geography Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1065	Political Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1066	Psychology Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1067	Sociology Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1069	Social Sciences Teachers, Postsecondary, All Other	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1071	Health Specialties Teachers, Postsecondary	210	270	60	28.6%	10	10	20	Master's degree	*	*	*
25-1072	Nursing Instructors and Teachers, Postsecondary	80	100	20	25.0%	<5	<5	<5	Doctoral degree	\$52,110	Not Available	Not Available
25-1081	Education Teachers, Postsecondary	90	120	30	33.3%	<5	<5	<5	Doctoral degree	\$49,264	Not Available	Not Available

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25-1082	Library Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1112	Law Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1113	Social Work Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1121	Art, Drama, and Music Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
25-1122	Communications Teachers, Postsecondary	50	70	20	40.0%	<5	<5	<5	Doctoral degree	\$51,614	Not Available	Not Available
25-1123	English Language and Literature Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1124	Foreign Language and Literature Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1125	History Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1126	Philosophy and Religion Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1191	Graduate Teaching Assistants	*	*	*	*	10	<5	10	Bachelor's degree	*	*	*

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25-1192	Home Economics Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree	*	*	*
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
25-1194	Vocational Education Teachers, Postsecondary	190	240	50	26.3%	10	<5	10	Work experience in a related occupation	\$51,683	\$14.16	\$30.19
25-1199	Postsecondary Teachers, All Other	*	*	*	*	10	10	20	Doctoral degree	*	*	*
25-2011	Preschool Teachers, Except Special Education	420	540	120	28.6%	10	10	20	Bachelor's degree	\$21,798	\$7.79	\$11.83
25-2012	Kindergarten Teachers, Except Special Education	210	240	30	14.3%	<5	<5	<5	Bachelor's degree	\$40,549	Not Available	Not Available
25-2021	Elementary School Teachers, Except Special Education	1,920	2,160	240	12.5%	20	40	60	Bachelor's degree	\$43,398	Not Available	Not Available
25-2022	Middle School Teachers, Except Special and Vocational Education	1,020	1,090	70	6.9%	10	20	30	Bachelor's degree	\$42,518	Not Available	Not Available
25-2023	Vocational Education Teachers, Middle School	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$42,074	Not Available	Not Available
25-2031	Secondary School Teachers, Except Special and Vocational Education	1,640	1,800	160	9.8%	20	50	70	Bachelor's degree	\$41,648	Not Available	Not Available
25-2032	Vocational Education Teachers, Secondary School	130	140	10	7.7%	<5	<5	<5	Bachelor's degree	\$40,724	Not Available	Not Available

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25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	230	280	50	21.7%	10	10	20	Bachelor's degree	\$42,366	Not Available	Not Available
25-2042	Special Education Teachers, Middle School	130	150	20	15.4%	<5	<5	<5	Bachelor's degree	\$42,992	Not Available	Not Available
25-2043	Special Education Teachers, Secondary School	180	210	30	16.7%	<5	<5	<5	Bachelor's degree	\$42,265	Not Available	Not Available
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	80	90	10	12.5%	<5	<5	<5	Bachelor's degree	\$50,558	\$16.59	\$28.16
25-3021	Self-Enrichment Education Teachers	220	250	30	13.6%	<5	<5	<5	Work experience in a related occupation	\$24,984	\$8.67	\$13.68
25-3099	Teachers and Instructors, All Other	650	760	110	16.9%	10	10	20	Bachelor's degree	\$26,558	\$10.08	\$14.11
25-4011	Archivists	*	*	*	*	<5	<5	<5	Master's degree	*	*	*
25-4012	Curators	10	10	0	0.0%	<5	<5	<5	Master's degree	*	*	*
25-4013	Museum Technicians and Conservators	10	10	0	0.0%	<5	<5	<5	Master's degree	*	*	*
25-4021	Librarians	210	200	-10	-4.8%	<5	10	10	Master's degree	\$41,968	\$14.64	\$22.94
25-4031	Library Technicians	220	230	10	4.5%	<5	10	10	Postsecondary vocational training	\$24,276	\$8.23	\$13.39

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25-9011	Audio-Visual Collections Specialists	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
25-9021	Farm and Home Management Advisors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
25-9031	Instructional Coordinators	80	100	20	25.0%	<5	<5	<5	Master's degree	\$55,333	\$18.55	\$30.63
25-9041	Teacher Assistants	1,600	1,840	240	15.0%	20	30	50	Associate degree	\$23,269	Not Available	Not Available
25-9099	Education, Training, and Library Workers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	1,930	2,190	260	13.5%	30	40	70		\$33,885	\$8.74	\$20.06
27-1011	Art Directors	*	*	*	*	<5	<5	<5	Bachelor's or higher degree + work experience	*	*	*
27-1012	Craft Artists	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-1014	Multi-Media Artists and Animators	20	30	10	50.0%	<5	<5	<5	Bachelor's degree	\$39,300	\$15.28	\$20.70
27-1019	Artists and Related Workers, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*

Occupation Projections for West Central Wisconsin Workforce Development Area, 2004-2014

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SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Estimated Average Annual Openings ⁽¹⁾			Typical Education and Training Path ⁽⁴⁾	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
27-1021	Commercial and Industrial Designers	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$48,207	\$15.77	\$26.88
27-1023	Floral Designers	100	110	10	10.0%	<5	<5	<5	Moderate-term on-the-job training	\$19,624	\$6.67	\$10.81
27-1024	Graphic Designers	190	220	30	15.8%	<5	<5	<5	Bachelor's degree	\$33,110	\$10.06	\$18.85
27-1025	Interior Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	\$31,793	\$9.00	\$18.43
27-1026	Merchandise Displayers and Window Trimmers	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$27,139	\$9.29	\$14.93
27-1029	Designers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	\$32,167	\$12.52	\$16.94
27-2011	Actors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	Not Available	\$6.59	\$11.91
27-2012	Producers and Directors	40	40	0	0.0%	<5	<5	<5	Bachelor's or higher degree + work experience	\$39,716	\$13.57	\$21.86
27-2021	Athletes and Sports Competitors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-2022	Coaches and Scouts	200	240	40	20.0%	<5	<5	<5	Long-term on-the-job training	\$27,894	Not Available	Not Available
27-2023	Umpires, Referees, and Other Sports Officials	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*

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27-2031	Dancers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-2032	Choreographers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
27-2041	Music Directors and Composers	50	60	10	20.0%	<5	<5	<5	Bachelor's or higher degree + work experience	*	*	*
27-2042	Musicians and Singers	120	140	20	16.7%	<5	<5	<5	Long-term on-the-job training	*	*	*
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-3011	Radio and Television Announcers	60	60	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$28,117	\$8.18	\$16.19
27-3012	Public Address System and Other Announcers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
27-3021	Broadcast News Analysts	*	*	*	*	<5	<5	<5	Bachelor's or higher degree + work experience	*	*	*
27-3022	Reporters and Correspondents	80	80	0	0.0%	<5	<5	<5	Bachelor's or higher degree + work experience	\$23,158	\$8.40	\$12.50
27-3031	Public Relations Specialists	210	260	50	23.8%	10	<5	10	Bachelor's degree	\$40,954	\$12.42	\$23.33
27-3041	Editors	120	140	20	16.7%	<5	<5	<5	Bachelor's degree	\$52,232	\$14.12	\$30.61

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27-3042	Technical Writers	40	50	10	25.0%	<5	<5	<5	Bachelor's degree	\$58,525	\$19.02	\$32.70
27-3043	Writers and Authors	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$35,997	\$8.92	\$21.50
27-3091	Interpreters and Translators	40	50	10	25.0%	<5	<5	<5	Long-term on-the-job training	\$30,678	\$10.90	\$16.67
27-3099	Media and Communication Workers, All Other	20	20	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$39,181	\$12.29	\$22.11
27-4011	Audio and Video Equipment Technicians	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$41,014	\$12.10	\$23.53
27-4012	Broadcast Technicians	40	50	10	25.0%	<5	<5	<5	Postsecondary vocational training	\$28,704	\$7.15	\$17.13
27-4014	Sound Engineering Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
27-4021	Photographers	*	*	*	*	<5	<5	<5	Bachelor's degree	\$24,411	\$9.60	\$12.80
27-4031	Camera Operators, Television, Video, and Motion Picture	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
27-4032	Film and Video Editors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
27-4099	Media and Communication Equipment Workers, All Other	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$35,760	\$7.15	\$22.22

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29-0000	Healthcare Practitioners and Technical Occupations	8,580	10,920	2,340	27.3%	230	160	390		\$49,793	\$11.44	\$30.19
29-1011	Chiropractors	60	90	30	50.0%	<5	<5	<5	First professional degree	\$86,207	\$13.47	\$55.43
29-1021	Dentists, General	140	160	20	14.3%	<5	<5	<5	First professional degree	\$167,414	Not Available	Not Available
29-1022	Oral and Maxillofacial Surgeons	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1023	Orthodontists	0	10	10	100.0%	<5	<5	<5	First professional degree	*	*	*
29-1024	Prosthodontists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1029	Dentists, All Other Specialists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1031	Dietitians and Nutritionists	70	80	10	14.3%	<5	<5	<5	Bachelor's degree	\$45,638	\$17.42	\$24.20
29-1041	Optometrists	30	30	0	0.0%	<5	<5	<5	First professional degree	\$90,393	\$25.86	\$52.26
29-1051	Pharmacists	260	320	60	23.1%	10	10	20	First professional degree	\$88,890	\$30.17	\$49.02
29-1061	Anesthesiologists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*

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29-1062	Family and General Practitioners	*	*	*	*	<5	<5	<5	First professional degree	\$155,682	\$53.64	\$85.45
29-1063	Internists, General	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1064	Obstetricians and Gynecologists	10	10	0	0.0%	<5	<5	<5	First professional degree	*	*	*
29-1065	Pediatricians, General	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1066	Psychiatrists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1067	Surgeons	*	*	*	*	<5	<5	<5	First professional degree	\$189,997	Not Available	Not Available
29-1069	Physicians and Surgeons, All Other	*	*	*	*	10	<5	10	First professional degree	\$170,078	Not Available	Not Available
29-1071	Physician Assistants	70	110	40	57.1%	<5	<5	<5	Bachelor's degree	*	*	*
29-1081	Podiatrists	*	*	*	*	<5	<5	<5	First professional degree	*	*	*
29-1111	Registered Nurses	3,090	4,090	1,000	32.4%	100	70	170	Associate or Bachelor's degree ⁽⁸⁾	\$53,722	\$20.99	\$28.25
29-1121	Audiologists	*	*	*	*	<5	<5	<5	Doctoral degree	\$52,567	\$17.14	\$29.34

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29-1122	Occupational Therapists	180	240	60	33.3%	10	<5	10	Master's degree	\$53,107	\$19.82	\$28.39
29-1123	Physical Therapists	220	280	60	27.3%	10	<5	10	Master's degree	\$67,830	\$25.17	\$36.33
29-1124	Radiation Therapists	*	*	*	*	<5	<5	<5	Associate degree	\$64,800	\$24.64	\$34.41
29-1125	Recreational Therapists	50	50	0	0.0%	<5	<5	<5	Bachelor's degree	\$29,523	\$10.85	\$15.87
29-1126	Respiratory Therapists	90	120	30	33.3%	<5	<5	<5	Associate degree	\$46,991	\$18.80	\$24.49
29-1127	Speech-Language Pathologists	150	170	20	13.3%	<5	<5	<5	Master's degree	\$47,935	\$15.11	\$27.01
29-1129	Therapists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
29-1131	Veterinarians	80	90	10	12.5%	<5	<5	<5	First professional degree	\$64,342	\$19.47	\$36.66
29-1199	Health Diagnosing and Treating Practitioners, All Other	*	*	*	*	<5	<5	<5	First professional degree	\$55,108	\$21.96	\$28.76
29-2011	Medical and Clinical Laboratory Technologists	180	230	50	27.8%	10	10	20	Bachelor's degree	\$48,370	\$19.28	\$25.24
29-2012	Medical and Clinical Laboratory Technicians	110	150	40	36.4%	<5	<5	<5	Associate degree	\$37,523	\$14.77	\$19.68

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29-2021	Dental Hygienists	290	400	110	37.9%	10	<5	10	Associate degree	\$48,544	\$18.50	\$25.76
29-2031	Cardiovascular Technologists and Technicians	40	50	10	25.0%	<5	<5	<5	Associate degree	\$40,744	\$14.18	\$22.29
29-2032	Diagnostic Medical Sonographers	50	60	10	20.0%	<5	<5	<5	Associate degree	\$54,426	\$19.89	\$29.31
29-2033	Nuclear Medicine Technologists	20	30	10	50.0%	<5	<5	<5	Associate degree	\$56,729	\$24.34	\$28.74
29-2034	Radiologic Technologists and Technicians	250	330	80	32.0%	10	10	20	Associate degree	\$45,229	\$18.00	\$23.61
29-2041	Emergency Medical Technicians and Paramedics	580	690	110	19.0%	10	10	20	Postsecondary vocational training	\$21,397	\$5.93	\$12.46
29-2051	Dietetic Technicians	30	40	10	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$24,579	\$8.55	\$13.45
29-2052	Pharmacy Technicians	320	410	90	28.1%	10	<5	10	Moderate-term on-the-job training	\$23,029	\$9.11	\$12.05
29-2053	Psychiatric Technicians	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
29-2054	Respiratory Therapy Technicians	10	20	10	100.0%	<5	<5	<5	Associate degree	\$35,113	\$13.59	\$18.53
29-2055	Surgical Technologists	130	170	40	30.8%	<5	<5	<5	Postsecondary vocational training	\$39,483	\$15.03	\$20.96

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29-2056	Veterinary Technologists and Technicians	80	100	20	25.0%	<5	<5	<5	Associate degree	\$24,884	\$9.71	\$13.09
29-2061	Licensed Practical and Licensed Vocational Nurses	760	850	90	11.8%	10	20	30	Postsecondary vocational training	\$34,014	\$14.03	\$17.51
29-2071	Medical Records and Health Information Technicians	220	300	80	36.4%	10	<5	10	Associate degree	\$26,431	\$9.75	\$14.19
29-2081	Opticians, Dispensing	120	130	10	8.3%	<5	<5	<5	Long-term on-the-job training	\$24,450	\$8.17	\$13.55
29-2091	Orthotists and Prosthetists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
29-2099	Health Technologists and Technicians, All Other	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$36,422	\$12.42	\$20.06
29-9011	Occupational Health and Safety Specialists	30	40	10	33.3%	<5	<5	<5	Bachelor's degree	\$48,879	\$17.26	\$26.62
29-9012	Occupational Health and Safety Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
29-9091	Athletic Trainers	*	*	*	*	<5	<5	<5	Bachelor's degree	\$37,533	Not Available	Not Available
29-9099	Healthcare Practitioners and Technical Workers, All Other	60	80	20	33.3%	<5	<5	<5	Postsecondary vocational training	\$37,376	\$12.01	\$20.95
31-0000	Healthcare Support Occupations	5,830	7,510	1,680	28.8%	170	90	260		\$23,325	\$8.91	\$12.37

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31-1011	Home Health Aides	1,150	1,810	660	57.4%	70	20	90	Short-term on-the-job training	\$19,327	\$7.76	\$10.06
31-1012	Nursing Aides, Orderlies, and Attendants	3,010	3,500	490	16.3%	50	40	90	Postsecondary vocational training	\$23,442	\$9.49	\$12.16
31-1013	Psychiatric Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
31-2011	Occupational Therapist Assistants	50	60	10	20.0%	<5	<5	<5	Associate degree	\$35,577	\$14.78	\$18.27
31-2012	Occupational Therapist Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
31-2021	Physical Therapist Assistants	80	110	30	37.5%	<5	<5	<5	Associate degree	\$35,602	\$14.51	\$18.42
31-2022	Physical Therapist Aides	50	60	10	20.0%	<5	<5	<5	Short-term on-the-job training	\$23,689	\$9.67	\$12.25
31-9011	Massage Therapists	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$22,664	\$5.94	\$13.37
31-9091	Dental Assistants	330	460	130	39.4%	10	10	20	Moderate-term on-the-job training	\$25,997	\$10.05	\$13.72
31-9092	Medical Assistants	340	500	160	47.1%	20	10	30	Moderate-term on-the-job training	\$26,261	\$10.56	\$13.66
31-9093	Medical Equipment Preparers	50	60	10	20.0%	<5	<5	<5	Short-term on-the-job training	\$28,437	\$10.44	\$15.29

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31-9094	Medical Transcriptionists	250	320	70	28.0%	10	10	20	Postsecondary vocational training	\$29,357	\$12.06	\$15.14
31-9095	Pharmacy Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$21,261	\$8.35	\$11.16
31-9099	Healthcare Support Workers, All Other	*	*	*	*	10	10	20	Short-term on-the-job training	*	*	*
33-0000	Protective Service Occupations	3,260	3,480	220	6.7%	20	100	120		\$33,184	\$9.02	\$19.42
33-1011	First-Line Supervisors/Managers of Correctional Officers	50	50	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$51,795	\$21.10	\$26.80
33-1012	First-Line Supervisors/Managers of Police and Detectives	100	110	10	10.0%	<5	<5	<5	Work experience in a related occupation	\$57,855	\$22.05	\$30.70
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	20	20	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$49,825	\$14.28	\$28.79
33-2011	Fire Fighters	640	740	100	15.6%	10	20	30	Long-term on-the-job training	\$26,484	\$8.12	\$15.04
33-2021	Fire Inspectors and Investigators	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*

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33-3011	Bailiffs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
33-3012	Correctional Officers and Jailers	420	420	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$33,168	\$13.26	\$17.29
33-3021	Detectives and Criminal Investigators	120	130	10	8.3%	<5	<5	<5	Work experience in a related occupation	\$53,560	\$21.42	\$27.91
33-3031	Fish and Game Wardens	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
33-3041	Parking Enforcement Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
33-3051	Police and Sheriff's Patrol Officers	920	980	60	6.5%	10	20	30	Long-term on-the-job training	\$39,438	\$13.83	\$21.53
33-9011	Animal Control Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
33-9021	Private Detectives and Investigators	20	20	0	0.0%	<5	<5	<5	Work experience in a related occupation	*	*	*
33-9031	Gaming Surveillance Officers and Gaming Investigators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
33-9032	Security Guards	440	430	-10	-2.3%	<5	10	10	Short-term on-the-job training	\$19,705	\$7.32	\$10.55
33-9091	Crossing Guards	140	160	20	14.3%	<5	<5	<5	Short-term on-the-job training	\$22,433	\$7.38	\$12.49

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		2004	2014	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	160	180	20	12.5%	<5	10	10	Short-term on-the-job training	\$16,002	\$5.87	\$8.61
33-9099	Protective Service Workers, All Other	90	90	0	0.0%	<5	10	10	Short-term on-the-job training	\$29,876	\$8.46	\$17.32
35-0000	Food Preparation and Serving Related Occupations	16,870	19,260	2,390	14.2%	240	670	910		\$16,748	\$5.91	\$9.12
35-1011	Chefs and Head Cooks	230	270	40	17.4%	<5	10	10	Postsecondary vocational training	\$26,482	\$9.07	\$14.56
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	1,100	1,270	170	15.5%	20	30	50	Work experience in a related occupation	\$24,205	\$8.60	\$13.16
35-2011	Cooks, Fast Food	770	880	110	14.3%	10	20	30	Short-term on-the-job training	\$13,838	\$5.86	\$7.05
35-2012	Cooks, Institution and Cafeteria	600	630	30	5.0%	<5	20	20	Long-term on-the-job training	\$21,793	\$8.22	\$11.61
35-2013	Cooks, Private Household	0	0	0	0.0%	<5	<5	<5	Long-term on-the-job training	*	*	*
35-2014	Cooks, Restaurant	930	1,070	140	15.1%	10	30	40	Long-term on-the-job training	\$18,913	\$6.88	\$10.20
35-2015	Cooks, Short Order	400	430	30	7.5%	<5	10	10	Short-term on-the-job training	\$17,968	\$6.94	\$9.49
35-2019	Cooks, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$19,881	\$7.52	\$10.58

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35-2021	Food Preparation Workers	1,100	1,300	200	18.2%	20	40	60	Short-term on-the-job training	\$18,233	\$6.75	\$9.77
35-3011	Bartenders	1,850	2,070	220	11.9%	20	70	90	Short-term on-the-job training	\$16,969	\$6.50	\$8.99
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	3,800	4,400	600	15.8%	60	170	230	Short-term on-the-job training	\$14,653	\$5.94	\$7.60
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	450	520	70	15.6%	10	30	40	Short-term on-the-job training	\$14,448	\$5.90	\$7.47
35-3031	Waiters and Waitresses	3,330	3,830	500	15.0%	50	170	220	Short-term on-the-job training	\$15,276	\$5.89	\$8.07
35-3041	Food Servers, Nonrestaurant	300	310	10	3.3%	<5	10	10	Short-term on-the-job training	\$18,036	\$6.54	\$9.74
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	600	680	80	13.3%	10	20	30	Short-term on-the-job training	\$15,062	\$5.90	\$7.91
35-9021	Dishwashers	900	1,030	130	14.4%	10	30	40	Short-term on-the-job training	\$14,534	\$5.90	\$7.53
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	410	470	60	14.6%	10	10	20	Short-term on-the-job training	\$16,043	\$5.94	\$8.60
35-9099	Food Preparation and Serving Related Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
37-0000	Building and Grounds Cleaning and Maintenance Occupations	5,380	6,290	910	16.9%	90	110	200		\$22,256	\$7.26	\$12.42

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37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	220	260	40	18.2%	<5	10	10	Work experience in a related occupation	\$33,741	\$11.11	\$18.78
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	90	100	10	11.1%	<5	<5	<5	Work experience in a related occupation	\$39,537	\$12.41	\$22.30
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	2,910	3,380	470	16.2%	50	60	110	Short-term on-the-job training	\$22,203	\$7.71	\$12.16
37-2012	Maids and Housekeeping Cleaners	1,310	1,540	230	17.6%	20	30	50	Short-term on-the-job training	\$17,624	\$6.41	\$9.50
37-2019	Building Cleaning Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
37-2021	Pest Control Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$39,156	\$10.56	\$22.96
37-3011	Landscaping and Groundskeeping Workers	800	940	140	17.5%	10	20	30	Short-term on-the-job training	\$22,852	\$7.54	\$12.71
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$22,670	\$7.84	\$12.43
37-3013	Tree Trimmers and Pruners	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$30,694	\$12.42	\$15.92
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-0000	Personal Care and Service Occupations	4,570	5,640	1,070	23.4%	110	110	220		\$19,567	\$6.80	\$10.71

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39-1011	Gaming Supervisors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
39-1012	Slot Key Persons	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
39-1021	First-Line Supervisors/Managers of Personal Service Workers	190	240	50	26.3%	10	10	20	Work experience in a related occupation	\$30,485	\$10.45	\$16.76
39-2011	Animal Trainers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
39-2021	Nonfarm Animal Caretakers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$16,650	\$5.90	\$9.06
39-3011	Gaming Dealers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
39-3012	Gaming and Sports Book Writers and Runners	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	*	*	*
39-3019	Gaming Service Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
39-3021	Motion Picture Projectionists	20	10	-10	-50.0%	<5	<5	<5	Short-term on-the-job training	\$15,998	\$7.44	\$7.82
39-3031	Ushers, Lobby Attendants, and Ticket Takers	110	120	10	9.1%	<5	10	10	Short-term on-the-job training	\$13,248	\$5.94	\$6.58
39-3091	Amusement and Recreation Attendants	390	450	60	15.4%	10	10	20	Short-term on-the-job training	\$16,020	\$6.53	\$8.29

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		2004	2014	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
39-3092	Costume Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-3099	Entertainment Attendants and Related Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
39-4011	Embalmers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
39-4021	Funeral Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-5011	Barbers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
39-5012	Hairdressers, Hairstylists, and Cosmetologists	620	700	80	12.9%	10	10	20	Postsecondary vocational training	\$22,154	\$6.76	\$12.60
39-5092	Manicurists and Pedicurists	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
39-5093	Shampooers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
39-5094	Skin Care Specialists	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
39-6011	Baggage Porters and Bellhops	10	20	10	100.0%	<5	<5	<5	Short-term on-the-job training	*	*	*

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39-6012	Concierges	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	*	*	*
39-6021	Tour Guides and Escorts	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
39-6022	Travel Guides	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
39-6031	Flight Attendants	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	10	10	0	0.0%	<5	<5	<5	Short-term on-the-job training	*	*	*
39-9011	Child Care Workers	700	860	160	22.9%	20	20	40	Short-term on-the-job training	\$17,381	\$6.67	\$9.20
39-9021	Personal and Home Care Aides	1,180	1,670	490	41.5%	50	20	70	Short-term on-the-job training	\$18,346	\$7.21	\$9.62
39-9031	Fitness Trainers and Aerobics Instructors	270	310	40	14.8%	<5	10	10	Postsecondary vocational training	\$20,333	\$6.31	\$11.51
39-9032	Recreation Workers	440	490	50	11.4%	10	10	20	Bachelor's degree	\$21,529	\$7.65	\$11.70
39-9041	Residential Advisors	60	80	20	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$28,013	\$7.97	\$16.22
39-9099	Personal Care and Service Workers, All Other	40	50	10	25.0%	<5	<5	<5	Short-term on-the-job training	\$15,318	\$6.16	\$7.97

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41-0000	Sales and Related Occupations	17,120	18,320	1,200	7.0%	120	610	730		\$27,743	\$6.74	\$16.64
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,400	1,460	60	4.3%	10	30	40	Work experience in a related occupation	\$38,426	\$11.06	\$22.18
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	250	260	10	4.0%	<5	10	10	Work experience in a related occupation	\$65,971	\$16.96	\$39.10
41-2011	Cashiers	5,550	5,450	-100	-1.8%	<5	270	270	Short-term on-the-job training	\$15,885	\$5.94	\$8.48
41-2012	Gaming Change Persons and Booth Cashiers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
41-2021	Counter and Rental Clerks	500	600	100	20.0%	10	20	30	Short-term on-the-job training	\$22,502	\$6.77	\$12.84
41-2022	Parts Salespersons	340	310	-30	-8.8%	<5	10	10	Moderate-term on-the-job training	\$29,183	\$9.30	\$16.40
41-2031	Retail Salespersons	5,160	5,880	720	14.0%	70	190	260	Short-term on-the-job training	\$23,009	\$6.83	\$13.18
41-3011	Advertising Sales Agents	170	190	20	11.8%	<5	<5	<5	Moderate-term on-the-job training	\$35,745	\$10.56	\$20.50
41-3021	Insurance Sales Agents	280	330	50	17.9%	10	10	20	Bachelor's degree	\$49,273	\$13.41	\$28.83
41-3031	Securities, Commodities, and Financial Services Sales Agents	110	130	20	18.2%	<5	<5	<5	Bachelor's degree	\$46,992	\$12.94	\$27.42

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41-3041	Travel Agents	90	80	-10	-11.1%	<5	<5	<5	Postsecondary vocational training	\$26,305	\$9.86	\$14.04
41-3099	Sales Representatives, Services, All Other	320	400	80	25.0%	10	10	20	Moderate-term on-the-job training	\$43,230	\$10.08	\$26.13
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	300	330	30	10.0%	<5	10	10	Moderate-term on-the-job training	\$60,973	\$18.09	\$34.92
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1,800	2,030	230	12.8%	20	50	70	Moderate-term on-the-job training	\$51,192	\$14.60	\$29.62
41-9011	Demonstrators and Product Promoters	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$19,000	\$7.37	\$10.01
41-9012	Models	0	0	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	*	*	*
41-9021	Real Estate Brokers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$79,582	\$29.78	\$42.50
41-9022	Real Estate Sales Agents	70	80	10	14.3%	<5	<5	<5	Postsecondary vocational training	\$53,916	\$15.78	\$30.99
41-9031	Sales Engineers	100	110	10	10.0%	<5	<5	<5	Bachelor's degree	\$77,339	\$20.78	\$45.38
41-9041	Telemarketers	310	270	-40	-12.9%	<5	10	10	Short-term on-the-job training	\$20,316	\$7.77	\$10.77
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	40	40	0	0.0%	<5	<5	<5	Short-term on-the-job training	*	*	*

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41-9099	Sales and Related Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$31,909	\$9.26	\$18.38
43-0000	Office and Administrative Support Occupations	27,090	28,170	1,080	4.0%	110	640	750		\$27,099	\$8.57	\$15.26
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	1,430	1,500	70	4.9%	10	30	40	Work experience in a related occupation	\$41,940	\$13.99	\$23.25
43-2011	Switchboard Operators, Including Answering Service	220	200	-20	-9.1%	<5	10	10	Short-term on-the-job training	\$21,501	\$7.97	\$11.52
43-2021	Telephone Operators	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
43-2099	Communications Equipment Operators, All Other	0	0	0	0.0%	<5	<5	<5	Short-term on-the-job training	*	*	*
43-3011	Bill and Account Collectors	310	370	60	19.4%	10	10	20	Short-term on-the-job training	\$26,945	\$9.54	\$14.66
43-3021	Billing and Posting Clerks and Machine Operators	620	620	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$27,141	\$10.75	\$14.20
43-3031	Bookkeeping, Accounting, and Auditing Clerks	2,590	2,700	110	4.2%	10	50	60	Moderate-term on-the-job training	\$28,317	\$9.84	\$15.50
43-3041	Gaming Cage Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
43-3051	Payroll and Timekeeping Clerks	260	290	30	11.5%	<5	10	10	Moderate-term on-the-job training	\$29,353	\$10.59	\$15.87

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43-3061	Procurement Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$26,642	\$9.67	\$14.38
43-3071	Tellers	940	1,040	100	10.6%	10	50	60	Short-term on-the-job training	\$19,164	\$7.42	\$10.11
43-4011	Brokerage Clerks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
43-4021	Correspondence Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
43-4031	Court, Municipal, and License Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$35,192	\$12.89	\$18.93
43-4041	Credit Authorizers, Checkers, and Clerks	50	20	-30	-60.0%	<5	<5	<5	Short-term on-the-job training	\$27,035	\$9.85	\$14.57
43-4051	Customer Service Representatives	2,240	2,640	400	17.9%	40	30	70	Moderate-term on-the-job training	\$26,891	\$8.75	\$15.02
43-4061	Eligibility Interviewers, Government Programs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$36,303	\$14.40	\$18.98
43-4071	File Clerks	250	160	-90	-36.0%	<5	10	10	Short-term on-the-job training	\$21,432	\$7.37	\$11.77
43-4081	Hotel, Motel, and Resort Desk Clerks	270	320	50	18.5%	10	10	20	Short-term on-the-job training	\$17,970	\$7.43	\$9.24
43-4111	Interviewers, Except Eligibility and Loan	210	270	60	28.6%	10	10	20	Short-term on-the-job training	\$24,835	\$9.86	\$12.98

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43-4121	Library Assistants, Clerical	140	150	10	7.1%	<5	10	10	Short-term on-the-job training	\$19,895	\$7.44	\$10.63
43-4131	Loan Interviewers and Clerks	240	230	-10	-4.2%	<5	<5	<5	Short-term on-the-job training	\$26,823	\$10.53	\$14.08
43-4141	New Accounts Clerks	120	120	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$25,270	\$11.75	\$12.35
43-4151	Order Clerks	480	400	-80	-16.7%	<5	10	10	Short-term on-the-job training	\$26,826	\$9.75	\$14.47
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	210	250	40	19.0%	<5	10	10	Short-term on-the-job training	\$33,057	\$12.24	\$17.72
43-4171	Receptionists and Information Clerks	1,480	1,740	260	17.6%	30	40	70	Short-term on-the-job training	\$22,321	\$8.28	\$11.96
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	20	30	10	50.0%	<5	<5	<5	Short-term on-the-job training	*	*	*
43-4199	Information and Record Clerks, All Other	280	260	-20	-7.1%	<5	<5	<5	Short-term on-the-job training	\$29,397	\$9.42	\$16.49
43-5011	Cargo and Freight Agents	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
43-5021	Couriers and Messengers	140	130	-10	-7.1%	<5	<5	<5	Short-term on-the-job training	\$17,289	\$6.14	\$9.40
43-5031	Police, Fire, and Ambulance Dispatchers	130	130	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$33,534	\$10.98	\$18.69

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43-5032	Dispatchers, Except Police, Fire, and Ambulance	180	190	10	5.6%	<5	<5	<5	Moderate-term on-the-job training	\$32,802	\$10.33	\$18.49
43-5041	Meter Readers, Utilities	60	30	-30	-50.0%	<5	<5	<5	Short-term on-the-job training	\$24,485	\$6.01	\$14.65
43-5051	Postal Service Clerks	90	90	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$47,330	\$19.72	\$24.27
43-5052	Postal Service Mail Carriers	500	490	-10	-2.0%	<5	20	20	Short-term on-the-job training	\$40,973	\$14.51	\$22.29
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	270	270	0	0.0%	<5	10	10	Short-term on-the-job training	\$39,384	\$12.06	\$22.37
43-5061	Production, Planning, and Expediting Clerks	450	500	50	11.1%	10	10	20	Short-term on-the-job training	\$37,285	\$12.69	\$20.54
43-5071	Shipping, Receiving, and Traffic Clerks	1,080	1,130	50	4.6%	10	20	30	Short-term on-the-job training	\$28,928	\$9.82	\$15.95
43-5081	Stock Clerks and Order Fillers	2,330	2,150	-180	-7.7%	<5	90	90	Short-term on-the-job training	\$19,704	\$6.73	\$10.85
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	160	140	-20	-12.5%	<5	<5	<5	Short-term on-the-job training	\$26,768	\$9.69	\$14.46
43-6011	Executive Secretaries and Administrative Assistants	1,740	1,930	190	10.9%	20	30	50	Moderate-term on-the-job training	\$31,999	\$11.40	\$17.38
43-6012	Legal Secretaries	220	250	30	13.6%	<5	<5	<5	Postsecondary vocational training	\$28,610	\$10.48	\$15.39

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43-6013	Medical Secretaries	310	350	40	12.9%	<5	10	10	Postsecondary vocational training	\$27,710	\$11.20	\$14.38
43-6014	Secretaries, Except Legal, Medical, and Executive	2,500	2,390	-110	-4.4%	<5	50	50	Moderate-term on-the-job training	\$25,666	\$9.27	\$13.88
43-9011	Computer Operators	100	70	-30	-30.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,666	\$11.12	\$16.56
43-9021	Data Entry Keyers	290	290	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$23,094	\$8.93	\$12.19
43-9022	Word Processors and Typists	170	130	-40	-23.5%	<5	<5	<5	Moderate-term on-the-job training	\$27,904	\$10.57	\$14.84
43-9031	Desktop Publishers	40	50	10	25.0%	<5	<5	<5	Postsecondary vocational training	\$27,884	\$9.27	\$15.47
43-9041	Insurance Claims and Policy Processing Clerks	280	300	20	7.1%	<5	10	10	Moderate-term on-the-job training	\$24,766	\$9.73	\$13.00
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	150	90	-60	-40.0%	<5	10	10	Short-term on-the-job training	\$21,243	\$8.65	\$10.99
43-9061	Office Clerks, General	2,700	2,860	160	5.9%	20	60	80	Short-term on-the-job training	\$23,157	\$7.85	\$12.78
43-9071	Office Machine Operators, Except Computer	90	70	-20	-22.2%	<5	<5	<5	Short-term on-the-job training	\$22,452	\$8.96	\$11.71
43-9081	Proofreaders and Copy Markers	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$20,034	\$8.44	\$10.23

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43-9111	Statistical Assistants	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
43-9199	Office and Administrative Support Workers, All Other	360	380	20	5.6%	<5	10	10	Short-term on-the-job training	\$24,059	\$7.66	\$13.52
45-0000	Farming, Fishing, and Forestry Occupations	270	300	30	11.1%	<5	10	10		\$24,922	\$8.60	\$13.67
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
45-2011	Agricultural Inspectors	10	10	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$33,897	\$11.57	\$18.66
45-2021	Animal Breeders	*	*	*	*	<5	<5	<5	Associate degree	*	*	*
45-2041	Graders and Sorters, Agricultural Products	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
45-2091	Agricultural Equipment Operators	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$22,591	\$8.71	\$11.94
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	30	30	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$18,777	\$6.93	\$10.08
45-2093	Farmworkers, Farm and Ranch Animals	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
45-2099	Agricultural Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*

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45-3011	Fishers and Related Fishing Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
45-4011	Forest and Conservation Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
45-4021	Fallers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
45-4022	Logging Equipment Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
45-4023	Log Graders and Scalers	20	10	-10	-50.0%	<5	<5	<5	Moderate-term on-the-job training	\$35,983	\$13.36	\$19.27
45-4029	Logging Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-0000	Construction and Extraction Occupations	7,480	8,740	1,260	16.8%	130	150	280		\$39,111	\$12.52	\$21.94
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	520	610	90	17.3%	10	10	20	Work experience in a related occupation	\$53,839	\$17.92	\$29.87
47-2011	Boilermakers	0	0	0	0.0%	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2021	Brickmasons and Blockmasons	160	190	30	18.8%	<5	<5	<5	Long-term on-the-job training	\$46,261	\$16.35	\$25.19
47-2022	Stonemasons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*

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47-2031	Carpenters	1,510	1,790	280	18.5%	30	30	60	Long-term on-the-job training	\$35,415	\$12.20	\$19.44
47-2041	Carpet Installers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$35,866	\$12.16	\$19.79
47-2043	Floor Sanders and Finishers	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2044	Tile and Marble Setters	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2051	Cement Masons and Concrete Finishers	290	360	70	24.1%	10	10	20	Moderate-term on-the-job training	\$30,242	\$10.16	\$16.73
47-2053	Terrazzo Workers and Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2061	Construction Laborers	910	980	70	7.7%	10	10	20	Moderate-term on-the-job training	\$35,656	\$10.74	\$20.34
47-2071	Paving, Surfacing, and Tamping Equipment Operators	90	100	10	11.1%	<5	<5	<5	Moderate-term on-the-job training	\$43,430	\$17.77	\$22.44
47-2072	Pile-Driver Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2073	Operating Engineers and Other Construction Equipment Operators	520	600	80	15.4%	10	10	20	Moderate-term on-the-job training	\$42,318	\$14.03	\$23.50

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47-2081	Drywall and Ceiling Tile Installers	60	70	10	16.7%	<5	<5	<5	Moderate-term on-the-job training	\$39,039	\$13.77	\$21.27
47-2082	Tapers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2111	Electricians	740	870	130	17.6%	10	20	30	Long-term on-the-job training	\$47,597	\$17.38	\$25.64
47-2121	Glaziers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2131	Insulation Workers, Floor, Ceiling, and Wall	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2132	Insulation Workers, Mechanical	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2141	Painters, Construction and Maintenance	200	240	40	20.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,038	\$9.69	\$16.82
47-2142	Paperhangers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2151	Pipelayers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-2152	Plumbers, Pipefitters, and Steamfitters	520	630	110	21.2%	10	10	20	Long-term on-the-job training	\$43,979	\$14.23	\$24.60
47-2161	Plasterers and Stucco Masons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$37,681	\$13.58	\$20.38

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47-2171	Reinforcing Iron and Rebar Workers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-2181	Roofers	160	200	40	25.0%	<5	<5	<5	Moderate-term on-the-job training	\$34,258	\$11.90	\$18.76
47-2211	Sheet Metal Workers	330	390	60	18.2%	10	10	20	Long-term on-the-job training	\$42,804	\$12.26	\$24.74
47-2221	Structural Iron and Steel Workers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	60	70	10	16.7%	<5	<5	<5	Short-term on-the-job training	\$28,364	\$11.10	\$14.91
47-3012	Helpers--Carpenters	110	130	20	18.2%	<5	10	10	Short-term on-the-job training	\$24,460	\$8.30	\$13.49
47-3013	Helpers--Electricians	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$27,206	\$10.39	\$14.43
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$23,008	\$7.37	\$12.91
47-3016	Helpers--Roofers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
47-3019	Helpers, Construction Trades, All Other	10	10	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$21,051	\$8.11	\$11.13

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47-4011	Construction and Building Inspectors	80	90	10	12.5%	<5	<5	<5	Work experience in a related occupation	\$47,808	\$17.13	\$25.91
47-4021	Elevator Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
47-4031	Fence Erectors	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-4041	Hazardous Materials Removal Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-4051	Highway Maintenance Workers	430	490	60	14.0%	10	10	20	Moderate-term on-the-job training	\$32,676	\$13.72	\$16.71
47-4061	Rail-Track Laying and Maintenance Equipment Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$35,578	\$14.32	\$18.50
47-4091	Segmental Pavers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-4099	Construction and Related Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$33,264	\$12.68	\$17.65
47-5012	Rotary Drill Operators, Oil and Gas	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-5021	Earth Drillers, Except Oil and Gas	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*

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47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	0	0	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-5041	Continuous Mining Machine Operators	0	0	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-5051	Rock Splitters, Quarry	0	0	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	*	*	*
47-5081	Helpers--Extraction Workers	0	0	0	0.0%	<5	<5	<5	Short-term on-the-job training	*	*	*
49-0000	Installation, Maintenance, and Repair Occupations	6,700	7,400	700	10.4%	70	150	220		\$34,441	\$11.00	\$19.34
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	540	600	60	11.1%	10	10	20	Work experience in a related occupation	\$51,372	\$16.54	\$28.78
49-2011	Computer, Automated Teller, and Office Machine Repairers	90	90	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$29,345	\$9.79	\$16.27
49-2021	Radio Mechanics	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	220	180	-40	-18.2%	<5	10	10	Postsecondary vocational training	\$45,163	\$17.36	\$23.89
49-2091	Avionics Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
49-2092	Electric Motor, Power Tool, and Related Repairers	30	30	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$27,620	\$11.34	\$14.25

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49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	50	50	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$42,472	\$15.56	\$22.85
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	*	*
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	40	50	10	25.0%	<5	<5	<5	Postsecondary vocational training	\$34,576	\$12.47	\$18.70
49-2098	Security and Fire Alarm Systems Installers	10	20	10	100.0%	<5	<5	<5	Postsecondary vocational training	\$31,436	\$10.89	\$17.23
49-3011	Aircraft Mechanics and Service Technicians	30	30	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$40,436	\$17.40	\$20.46
49-3021	Automotive Body and Related Repairers	270	280	10	3.7%	<5	10	10	Long-term on-the-job training	\$33,699	\$11.89	\$18.36
49-3022	Automotive Glass Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-3023	Automotive Service Technicians and Mechanics	1,110	1,250	140	12.6%	10	30	40	Postsecondary vocational training	\$31,484	\$9.86	\$17.77
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	350	390	40	11.4%	<5	10	10	Postsecondary vocational training	\$33,842	\$11.93	\$18.44

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		2004	2014	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
49-3041	Farm Equipment Mechanics	90	90	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$28,400	\$10.42	\$15.27
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	110	120	10	9.1%	<5	<5	<5	Postsecondary vocational training	\$37,710	\$14.48	\$19.95
49-3043	Rail Car Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-3051	Motorboat Mechanics	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$27,592	\$9.17	\$15.31
49-3052	Motorcycle Mechanics	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$32,513	\$13.67	\$16.61
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	50	60	10	20.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,582	\$9.59	\$16.54
49-3091	Bicycle Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-3092	Recreational Vehicle Service Technicians	20	20	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$26,226	\$9.62	\$14.10
49-3093	Tire Repairers and Changers	130	130	0	0.0%	<5	10	10	Short-term on-the-job training	\$21,283	\$8.34	\$11.18
49-9011	Mechanical Door Repairers	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*

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		2004	2014	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	330	430	100	30.3%	10	<5	10	Long-term on-the-job training	\$34,556	\$12.33	\$18.76
49-9031	Home Appliance Repairers	50	50	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$30,414	\$10.04	\$16.91
49-9041	Industrial Machinery Mechanics	360	380	20	5.6%	<5	10	10	Long-term on-the-job training	\$37,204	\$13.43	\$20.12
49-9042	Maintenance and Repair Workers, General	1,590	1,800	210	13.2%	20	30	50	Long-term on-the-job training	\$32,164	\$11.48	\$17.45
49-9043	Maintenance Workers, Machinery	220	220	0	0.0%	<5	10	10	Short-term on-the-job training	\$28,867	\$10.39	\$15.62
49-9044	Millwrights	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$36,740	\$15.40	\$18.80
49-9045	Refractory Materials Repairers, Except Brickmasons	0	0	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9051	Electrical Power-Line Installers and Repairers	130	130	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$55,149	\$20.11	\$29.72
49-9052	Telecommunications Line Installers and Repairers	150	160	10	6.7%	<5	<5	<5	Long-term on-the-job training	\$37,013	\$14.51	\$19.44
49-9061	Camera and Photographic Equipment Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9062	Medical Equipment Repairers	*	*	*	*	<5	<5	<5	Associate degree	*	*	*

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		2004	2014	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
49-9063	Musical Instrument Repairers and Tuners	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-9064	Watch Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
49-9069	Precision Instrument and Equipment Repairers, All Other	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$36,733	\$13.14	\$19.92
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9094	Locksmiths and Safe Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$29,712	\$11.97	\$15.44
49-9095	Manufactured Building and Mobile Home Installers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9096	Riggers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
49-9097	Signal and Track Switch Repairers	0	0	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	*	*	*
49-9098	Helpers--Installation, Maintenance, and Repair Workers	170	200	30	17.6%	<5	10	10	Short-term on-the-job training	\$25,408	\$8.56	\$14.04
49-9099	Installation, Maintenance, and Repair Workers, All Other	150	170	20	13.3%	<5	<5	<5	Moderate-term on-the-job training	\$37,004	\$11.64	\$20.86
51-0000	Production Occupations	21,580	22,220	640	3.0%	60	520	580		\$28,765	\$9.55	\$15.97

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		2004	2014	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	1,370	1,450	80	5.8%	10	30	40	Work experience in a related occupation	\$45,698	\$15.49	\$25.21
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-2021	Coil Winders, Tapers, and Finishers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
51-2022	Electrical and Electronic Equipment Assemblers	600	560	-40	-6.7%	<5	10	10	Short-term on-the-job training	\$25,625	\$9.77	\$13.59
51-2023	Electromechanical Equipment Assemblers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
51-2031	Engine and Other Machine Assemblers	110	110	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$32,262	\$11.08	\$17.73
51-2041	Structural Metal Fabricators and Fitters	260	280	20	7.7%	<5	10	10	Moderate-term on-the-job training	\$33,914	\$15.15	\$16.88
51-2091	Fiberglass Laminators and Fabricators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$30,013	\$9.33	\$16.98
51-2092	Team Assemblers	3,200	3,410	210	6.6%	20	80	100	Moderate-term on-the-job training	\$26,905	\$9.80	\$14.50
51-2099	Assemblers and Fabricators, All Other	410	420	10	2.4%	<5	10	10	Moderate-term on-the-job training	\$21,234	\$7.84	\$11.39
51-3011	Bakers	250	280	30	12.0%	<5	10	10	Long-term on-the-job training	\$20,938	\$7.60	\$11.30

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51-3021	Butchers and Meat Cutters	*	*	*	*	<5	10	10	Long-term on-the-job training	*	*	*
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
51-3023	Slaughterers and Meat Packers	510	600	90	17.6%	10	10	20	Moderate-term on-the-job training	\$21,854	\$9.68	\$10.92
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	60	60	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$26,834	\$10.58	\$14.06
51-3092	Food Batchmakers	350	360	10	2.9%	<5	10	10	Short-term on-the-job training	\$28,108	\$10.97	\$14.78
51-3093	Food Cooking Machine Operators and Tenders	110	100	-10	-9.1%	<5	<5	<5	Short-term on-the-job training	\$21,528	\$8.34	\$11.35
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	420	440	20	4.8%	<5	10	10	Moderate-term on-the-job training	\$31,461	\$11.84	\$16.77
51-4012	Numerical Tool and Process Control Programmers	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$37,079	\$15.47	\$19.00
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	230	210	-20	-8.7%	<5	10	10	Moderate-term on-the-job training	\$23,199	\$8.65	\$12.41
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*

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51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	790	680	-110	-13.9%	<5	20	20	Moderate-term on-the-job training	\$27,329	\$10.71	\$14.35
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	110	110	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,373	\$11.18	\$14.87
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	260	250	-10	-3.8%	<5	10	10	Moderate-term on-the-job training	\$27,960	\$10.52	\$14.90
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	130	120	-10	-7.7%	<5	<5	<5	Moderate-term on-the-job training	\$32,809	\$13.34	\$16.99
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	60	60	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,289	\$11.97	\$15.86
51-4041	Machinists	720	770	50	6.9%	10	20	30	Long-term on-the-job training	\$33,094	\$12.24	\$17.74
51-4051	Metal-Refining Furnace Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-4052	Pourers and Casters, Metal	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$28,942	\$10.14	\$15.80
51-4061	Model Makers, Metal and Plastic	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$39,711	\$15.13	\$21.07
51-4062	Patternmakers, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-4071	Foundry Mold and Coremakers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*

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51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	550	560	10	1.8%	<5	10	10	Moderate-term on-the-job training	\$25,164	\$9.83	\$13.23
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	290	310	20	6.9%	<5	10	10	Moderate-term on-the-job training	\$33,083	\$12.52	\$17.60
51-4111	Tool and Die Makers	290	290	0	0.0%	<5	10	10	Long-term on-the-job training	\$42,672	\$16.85	\$22.35
51-4121	Welders, Cutters, Solderers, and Brazers	850	910	60	7.1%	10	20	30	Postsecondary vocational training	\$32,700	\$12.63	\$17.26
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	140	140	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$31,681	\$11.53	\$17.08
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-4192	Lay-Out Workers, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	60	60	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,725	\$10.55	\$15.44
51-4194	Tool Grinders, Filers, and Sharpeners	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$27,377	\$10.12	\$14.68
51-4199	Metal Workers and Plastic Workers, All Other	90	80	-10	-11.1%	<5	<5	<5	Moderate-term on-the-job training	\$27,251	\$10.69	\$14.31
51-5011	Bindery Workers	160	210	50	31.3%	10	<5	10	Moderate-term on-the-job training	\$27,543	\$9.56	\$15.08

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51-5012	Bookbinders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-5021	Job Printers	60	60	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$30,443	\$12.15	\$15.88
51-5022	Prepress Technicians and Workers	90	90	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$29,880	\$10.05	\$16.52
51-5023	Printing Machine Operators	290	310	20	6.9%	<5	10	10	Moderate-term on-the-job training	\$30,613	\$9.81	\$17.17
51-6011	Laundry and Dry-Cleaning Workers	250	280	30	12.0%	<5	10	10	Moderate-term on-the-job training	\$20,225	\$7.35	\$10.91
51-6021	Pressers, Textile, Garment, and Related Materials	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$18,248	\$7.32	\$9.50
51-6031	Sewing Machine Operators	210	190	-20	-9.5%	<5	<5	<5	Moderate-term on-the-job training	\$19,704	\$7.04	\$10.69
51-6041	Shoe and Leather Workers and Repairers	10	10	0	0.0%	<5	<5	<5	Long-term on-the-job training	*	*	*
51-6042	Shoe Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-6051	Sewers, Hand	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
51-6052	Tailors, Dressmakers, and Custom Sewers	30	30	0	0.0%	<5	<5	<5	Work experience in a related occupation	\$20,574	\$9.12	\$10.28

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51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	0	0	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-6092	Fabric and Apparel Patternmakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-6093	Upholsterers	30	20	-10	-33.3%	<5	<5	<5	Long-term on-the-job training	\$22,391	\$7.68	\$12.31
51-6099	Textile, Apparel, and Furnishings Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
51-7011	Cabinetmakers and Bench Carpenters	*	*	*	*	<5	10	10	Long-term on-the-job training	*	*	*
51-7021	Furniture Finishers	30	30	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$26,974	\$9.22	\$14.85
51-7032	Patternmakers, Wood	0	0	0	0.0%	<5	<5	<5	Long-term on-the-job training	*	*	*

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51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	200	170	-30	-15.0%	<5	10	10	Moderate-term on-the-job training	\$28,085	\$9.93	\$15.29
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	280	250	-30	-10.7%	<5	10	10	Moderate-term on-the-job training	\$25,976	\$8.45	\$14.51
51-7099	Woodworkers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-8011	Nuclear Power Reactor Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-8012	Power Distributors and Dispatchers	10	10	0	0.0%	<5	<5	<5	Long-term on-the-job training	*	*	*
51-8013	Power Plant Operators	40	50	10	25.0%	<5	<5	<5	Long-term on-the-job training	\$39,168	\$15.88	\$20.30
51-8021	Stationary Engineers and Boiler Operators	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$38,716	\$15.31	\$20.27
51-8031	Water and Liquid Waste Treatment Plant and System Operators	180	190	10	5.6%	<5	10	10	Long-term on-the-job training	\$35,615	\$13.78	\$18.79
51-8091	Chemical Plant and System Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-8092	Gas Plant Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*

Occupation Projections for West Central Wisconsin Workforce Development Area, 2004-2014

(Barron, Chippewa, Clark, Dunn, Eau Claire, Pepin, Pierce, Polk, and St. Croix Counties)

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		2004	2014	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
51-8099	Plant and System Operators, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-9011	Chemical Equipment Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	130	130	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$27,596	\$10.17	\$14.82
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$25,687	\$8.49	\$14.28
51-9022	Grinding and Polishing Workers, Hand	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$26,142	\$9.56	\$14.07
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	240	250	10	4.2%	<5	10	10	Moderate-term on-the-job training	\$29,924	\$11.27	\$15.94
51-9031	Cutters and Trimmers, Hand	40	40	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$25,038	\$8.32	\$13.90
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	270	270	0	0.0%	<5	10	10	Moderate-term on-the-job training	\$32,296	\$10.92	\$17.83
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	150	160	10	6.7%	<5	<5	<5	Moderate-term on-the-job training	\$26,680	\$9.77	\$14.36
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	1,140	1,260	120	10.5%	10	30	40	Moderate-term on-the-job training	\$29,336	\$9.98	\$16.16

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		2004	2014	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
51-9071	Jewelers and Precious Stone and Metal Workers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$33,306	\$9.40	\$19.32
51-9081	Dental Laboratory Technicians	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$35,486	\$10.89	\$20.14
51-9082	Medical Appliance Technicians	0	0	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$31,849	\$11.07	\$17.43
51-9083	Ophthalmic Laboratory Technicians	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9111	Packaging and Filling Machine Operators and Tenders	1,060	1,010	-50	-4.7%	<5	20	20	Short-term on-the-job training	\$27,309	\$8.98	\$15.20
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	290	300	10	3.4%	<5	10	10	Moderate-term on-the-job training	\$28,691	\$10.47	\$15.45
51-9122	Painters, Transportation Equipment	70	80	10	14.3%	<5	<5	<5	Long-term on-the-job training	\$34,070	\$12.88	\$18.13
51-9123	Painting, Coating, and Decorating Workers	70	70	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$18,460	\$6.73	\$9.95
51-9131	Photographic Process Workers	40	30	-10	-25.0%	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9132	Photographic Processing Machine Operators	80	50	-30	-37.5%	<5	<5	<5	Short-term on-the-job training	\$22,643	\$8.38	\$12.14
51-9141	Semiconductor Processors	10	10	0	0.0%	<5	<5	<5	Associate degree	*	*	*

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		2004	2014	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
51-9191	Cementing and Gluing Machine Operators and Tenders	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,450	\$11.23	\$14.90
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9193	Cooling and Freezing Equipment Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9194	Etchers and Engravers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$21,214	\$7.32	\$11.64
51-9196	Paper Goods Machine Setters, Operators, and Tenders	400	410	10	2.5%	<5	10	10	Moderate-term on-the-job training	\$30,728	\$11.94	\$16.19
51-9197	Tire Builders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-9198	Helpers--Production Workers	1,080	1,170	90	8.3%	10	30	40	Short-term on-the-job training	\$21,838	\$8.45	\$11.52
51-9199	Production Workers, All Other	440	430	-10	-2.3%	<5	10	10	Moderate-term on-the-job training	\$27,474	\$8.05	\$15.79
53-0000	Transportation and Material Moving Occupations	14,670	16,240	1,570	10.7%	160	320	480		\$26,349	\$7.98	\$15.01
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*

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		2004	2014	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	280	300	20	7.1%	<5	10	10	Work experience in a related occupation	\$38,925	\$13.29	\$21.42
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	300	360	60	20.0%	10	10	20	Work experience in a related occupation	\$50,281	\$14.57	\$28.97
53-2011	Airline Pilots, Copilots, and Flight Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	*	*
53-2012	Commercial Pilots	20	20	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$38,640	Not Available	Not Available
53-2021	Air Traffic Controllers	10	10	0	0.0%	<5	<5	<5	Bachelor's degree	*	*	*
53-2022	Airfield Operations Specialists	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-3021	Bus Drivers, Transit and Intercity	210	240	30	14.3%	<5	10	10	Moderate-term on-the-job training	\$29,013	\$10.99	\$15.43
53-3022	Bus Drivers, School	610	730	120	19.7%	10	10	20	Short-term on-the-job training	\$24,881	\$7.62	\$14.13
53-3031	Driver/Sales Workers	460	530	70	15.2%	10	10	20	Short-term on-the-job training	\$21,788	\$7.20	\$12.11
53-3032	Truck Drivers, Heavy and Tractor-Trailer	3,130	3,560	430	13.7%	40	50	90	Moderate-term on-the-job training	\$33,006	\$11.85	\$17.88

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		2004	2014	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
53-3033	Truck Drivers, Light or Delivery Services	1,420	1,630	210	14.8%	20	10	30	Short-term on-the-job training	\$24,239	\$7.68	\$13.64
53-3041	Taxi Drivers and Chauffeurs	230	300	70	30.4%	10	<5	10	Short-term on-the-job training	\$18,178	\$6.02	\$10.10
53-3099	Motor Vehicle Operators, All Other	70	80	10	14.3%	<5	<5	<5	Short-term on-the-job training	\$14,090	\$5.82	\$7.25
53-4011	Locomotive Engineers	20	20	0	0.0%	<5	<5	<5	Work experience in a related occupation	*	*	*
53-4021	Railroad Brake, Signal, and Switch Operators	10	0	-10	-100.0%	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-4031	Railroad Conductors and Yardmasters	20	20	0	0.0%	<5	<5	<5	Work experience in a related occupation	*	*	*
53-4099	Rail Transportation Workers, All Other	0	0	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-5011	Sailors and Marine Oilers	0	0	0	0.0%	<5	<5	<5	Short-term on-the-job training	*	*	*
53-5021	Captains, Mates, and Pilots of Water Vessels	0	0	0	0.0%	<5	<5	<5	Work experience in a related occupation	*	*	*
53-6011	Bridge and Lock Tenders	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
53-6021	Parking Lot Attendants	60	50	-10	-16.7%	<5	<5	<5	Short-term on-the-job training	\$23,709	\$9.13	\$12.53

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		2004	2014	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
53-6031	Service Station Attendants	80	90	10	12.5%	<5	<5	<5	Short-term on-the-job training	\$17,274	\$6.50	\$9.21
53-6041	Traffic Technicians	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
53-6051	Transportation Inspectors	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	*	*
53-6099	Transportation Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
53-7011	Conveyor Operators and Tenders	60	60	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$20,958	\$6.77	\$11.73
53-7021	Crane and Tower Operators	30	40	10	33.3%	<5	<5	<5	Long-term on-the-job training	\$36,450	\$12.89	\$19.84
53-7031	Dredge Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-7032	Excavating and Loading Machine and Dragline Operators	40	50	10	25.0%	<5	<5	<5	Moderate-term on-the-job training	\$42,730	\$15.05	\$23.29
53-7033	Loading Machine Operators, Underground Mining	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-7041	Hoist and Winch Operators	0	0	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-7051	Industrial Truck and Tractor Operators	1,330	1,450	120	9.0%	10	30	40	Short-term on-the-job training	\$27,927	\$10.17	\$15.05

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53-7061	Cleaners of Vehicles and Equipment	500	530	30	6.0%	<5	20	20	Short-term on-the-job training	\$19,746	\$6.95	\$10.77
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	3,620	3,870	250	6.9%	30	120	150	Short-term on-the-job training	\$20,990	\$7.08	\$11.60
53-7063	Machine Feeders and Offbearers	230	200	-30	-13.0%	<5	10	10	Short-term on-the-job training	\$21,697	\$9.14	\$11.08
53-7064	Packers and Packagers, Hand	1,580	1,720	140	8.9%	10	30	40	Short-term on-the-job training	\$21,402	\$7.24	\$11.81
53-7072	Pump Operators, Except Wellhead Pumpers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-7081	Refuse and Recyclable Material Collectors	140	150	10	7.1%	<5	<5	<5	Short-term on-the-job training	\$23,743	\$8.97	\$12.64
53-7121	Tank Car, Truck, and Ship Loaders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
53-7199	Material Moving Workers, All Other	110	100	-10	-9.1%	<5	<5	<5	Moderate-term on-the-job training	\$30,052	\$10.35	\$16.50

Notes:

(1) **Employment** is a count of jobs rather than people, and includes all part- and full-time nonfarm jobs. Employment does not include self-employed or unpaid family workers. Employment is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding.

(2) **Replacements** are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.

(3) **Total openings** are the sum of new jobs and replacements. Total openings are an indication of how many new people are needed to enter a given occupation.

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		2004	2014	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾

(4) **Typical Education and Training Path** gives a general indication of the education or training typically needed in a given occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.

Short-Term On-the-Job Training: These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.

Moderate-Term On-the-Job Training: Training for these occupations usually occurs at the workplace and lasts from one to twelve months.

Long-Term On-the-Job Training: These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.

Work Experience in Related Occupation: Occupations in this category require skills and experience gained in other jobs.

Postsecondary Vocational Training: These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.

Associate Degree: This degree requires two years of full-time academic work beyond high school.

Bachelor's Degree: This degree requires four or five years of full-time academic work at a college or university.

Master's Degree: This degree requires one to two years of full-time study beyond a bachelor's degree.

Doctoral Degree: This degree usually requires at least three years of full-time study beyond a bachelor's degree.

First Professional Degree: These degrees typically require at least two years of full-time study beyond a bachelor's degree.

Bachelor's or higher degree, plus work experience: These occupations require a bachelor's or higher degree, in addition to work experience in a related non-managerial position.

(5) **Average Annual Salary:** An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.

(6) **Entry Level Hourly Wage** is the average of the lower third of wages that are paid in a given occupation.

(7) **Experienced Hourly Wage** is the average of the upper two-thirds of wages that are paid in a given occupation.

(8) Depending upon the specific position and employer either an Associate or Bachelor's degree are most common.

* Data is suppressed to preserve the confidentiality of employers.

Projections information is derived using the November 2004 OES Survey, 2004 QCEW and 2004 CES (3/2005 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used. Wage information derived from the May 2005 Estimates Delivery System.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2004 to 2014. It is important to note unanticipated events may affect the accuracy of these projections.

Projections Methodology

Karin Wells
(608) 264-7841
Karin.Wells@dwd.state.wi.us

Regional Economist

Scott Hodek
(715) 836-2997
Scott.Hodek@dwd.state.wi.us